

DEINKING METHOD AND COMPOSITION FOR WASTEPAPER

ABSTRACT OF THE DISCLOSURE

5 The present invention is a deinking method and composition that uses at least 50% by weight based on the total weight of surfactants of non-ionic, C16 to C25 aliphatic, monohydric alcohol alkoxylates having 14 to 40 moles of ethylene oxide per mole of alcohol and 0 to 10 moles of propylene oxide per mole of alcohol. Using deinking compositions to deink wastepaper pulp wherein the surfactants primarily include the C16 to C18 aliphatic alcohol alkoxylates of the invention produces paper having excellent brightness and low effective residual ink concentrations. In addition, a low amount of sizing agents is used to produce paper having acceptable levels of water repellency.

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